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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,529	03/02/2004	Takashi Oda	040302-0385	2757
22428	7590 07/18/2006		EXAMINER	
FOLEY AND LARDNER LLP			PATTERSON, MARC A	
SUITE 500 3000 K STRI	SUITE 500 3000 K STREET NW		ART UNIT	PAPER NUMBER
WASHINGT	ON, DC 20007	1772		
			DATE MAILED: 07/18/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
		10/790,529	ODA ET AL.
	Office Action Summary	Examiner	Art Unit
		Marc A. Patterson	1772
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address
WHIC - External after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of STATE of STATE OF A CONTROL OF	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. (35 U.S.C. § 133).
Status			
2a)□	Responsive to communication(s) filed on This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under <i>E</i>	action is non-final. nce except for formal matters, pro	
Dispositi	ion of Claims		
5)□ 6)⊠ 7)□ 8)□ Applicati 9)□ 10)□	Claim(s) 1-13 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1-13 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or are subject to restriction and/or are specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction.	wn from consideration. r election requirement. r. epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.
Priority u	ınder 35 U.S.C. § 119		
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau See the attached detailed Office action for a list of	s have been received. s have been received in Application rity documents have been receive u (PCT Rule 17.2(a)).	on No d in this National Stage
Attachment	t(s) e of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO.413)
2) D Notice 3) Notice	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 3/1/0+, 9/17/0+, 3/3/64	Paper No(s)/Mail Da	

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1 9 and 11 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Zaima et al (European Patent 0885937).

With regard to Claims 1 – 2, Zaima et al disclose a resin composition (page 2, line 11) comprising a compound (reactive particle; page 2, line 42) which is oxidized (page 4, line 41) and has a hydrophobic group on the surface thereof (hydrophobic group which is a free functional group; page 2, lines 43 – 56) and a polar group on the surface thereof (free functional group comprising hydroxyl; page 2, lines 43 – 56); the compound is an additive to a resin composition; (page 2, lines 14 – 15) and Zaima et al disclose that resins include thermoplastic resins and thermosetting resins (page 2, lines 11 – 13); Zaima et al therefore disclose a compound that is an additive to a thermoplastic resin.

With regard to Claims 3 - 6, the polar group disclosed by Zaima et al includes a group other than hydroxyl (amino group; page 3, line 3).

With regard to Claim 7, the hydrophobic group comprises alkyl (page 2, line 56).

With regard to Claims 8 - 9, a length of the oxidized compound is 1 nm and 380 nm or less (page 4, lines 16 - 19).

With regard to Claim 11, the thermoplastic resin includes acrylic resin (page 3, line 44).

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With regard to Claim 12, the thermoplastic resin is polycarbonate resin (page 3, line 51).

With regard to Claim 13, the oxidized compound comprises silica (page 4, line 5).

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Zaima et al (European Patent 0885937).

Zaima et al disclose a resin composition comprising a compound as discussed above.

Zaima et al fail to disclose the compound in the amount of 1 to 60% by weight. However, Zaima et al teach the use of the compound to provide improved characteristics (page 2, line 15).

Therefore, one of ordinary skill in the art would have recognized the utility of varying the amount of the blend to obtain the desired melt flow rate. Therefore, the characteristics would be readily determined by through routine optimization of the amount by one having ordinary skill in the art depending on the desired use of the end product as taught by Zaima et al.

It therefore would be obvious for one of ordinary skill in the art to vary the amount in order to obtain the desired characteristics, since the characteristics would be readily determined through routine optimization by one having ordinary skill in the art depending on the desired end result as shown by Zaima et al.

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ANSWERS TO APPLICANT'S ARGUMENTS

5. Applicant's election with traverse of Claims 1 – 13 in the reply filed on May 3, 2006 is acknowledged. The traversal is on the ground(s) that Group II requires the particulars of Group I and that Group IV is not mutually distinct from Group I. This is not found persuasive because a thermoplastic resin is not required for Group II and a composition is mutually distinct from a vehicle part, as the composition may be used to make a coating, rather than a vehicle part.

The requirement is still deemed proper and is therefore made FINAL.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc A Patterson whose telephone number is 571-272-1497. The examiner can normally be reached on Mon - Fri 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on 571-272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Muc Litera 6/26/06 Marc A. Patterson, PhD. Primary Examiner Art Unit 1772